

SUBMITTAL RECORD

JOB _____
LOCATION _____
SUBMITTED TO _____
SUBMITTAL PREPARED BY _____
APPROVED BY _____
DATE _____

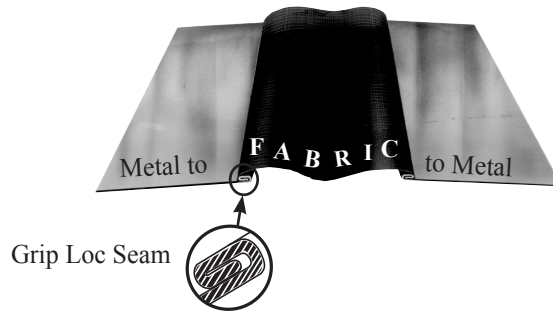
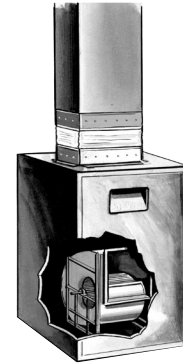


Specification Form
EXCELON-LA
Flexible Duct Connector

DESCRIPTION

All air duct installations for heating, cooling or ventilation are attached to mechanical equipment containing a fan or blower. Vibrations, noises and rattles resulting from operation of the fan or blower are transmitted into the metal ducts which carry the noises throughout the system.

In order to isolate the vibration and noises to the source, an airtight flexible joint, consisting of a fabric which is attached to sheet metal on both sides, must be inserted between the equipment and the ductwork. This vibration isolator is called a "Flexible Duct Connector."



Excelon-LA

Continuous Temp. Range	-40°F. to 180°F
Color	Dark Gray
Weight Per Square Yard	20
Leakage Resistance 1	350
Tear Strength 2	100/100
Tensile Strength 3	240/220
Codes	
Metal-Fab (3"x3"x3")	MBXLA333 (#10110)
Super Metal-Fab (3"x6"x3")	MB6XLA363 (#10111)
TDC / TDF (4"x4"x4")	MBXLA444 (#10107)

1. Leakage resistance as per Federal Test Standard 191 Method #5512. Results in P.S.I. (To convert inches of water multiply P.S.I. x 27.176).
2. Tear strength in tongue pounds as per Federal Test Standard 191 Method #5134.1 (warp/fill).
3. Tensile strength in grab pounds as per Federal Test Standard 191 Method #5100 (warp/fill).

Duro Dyne Neoprene, Durolon, Teflon, Thermafab and Excelon fabrics were subjected to a 1000 hour accelerated weathering and UV test per ASTM G155 with no noticeable signs of degradation.

SUGGESTED SPECIFICATION

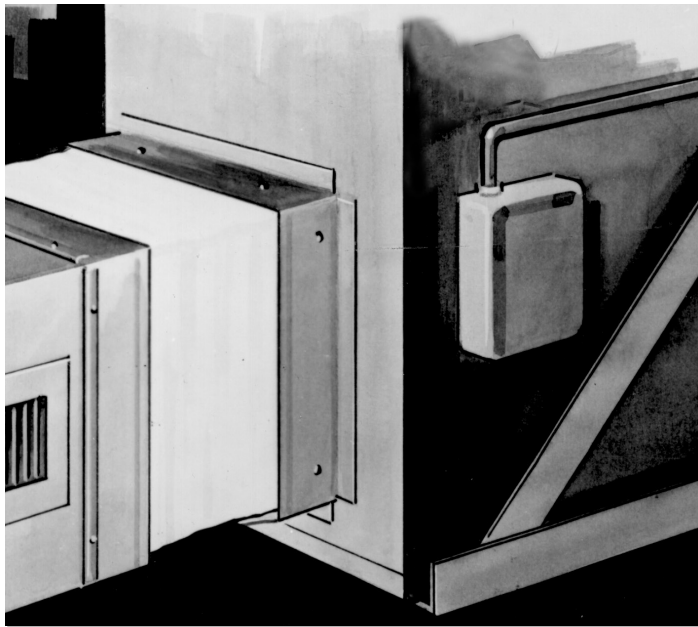
Vibration Isolating Flexible Duct Connector for Heating, Cooling & Exhaust Supplies & Returns.

At the inlet and discharge of all air handling equipment (unless otherwise noted) furnish and install vibration isolators. Vibration isolators shall be a coated woven fabric named Excelon-LA and have a flame spread less than 25 and a smoke developed less than 50.

Vibration Isolators shall be preassembled metal to exposed fabric to metal. Fabric and metal shall be joined by means of a double lock seam.

Vibration Isolators shall have a Tear Strength of not less than 100/100, an abrasion resistance of not less than 15,000 Cycles, and a continuous temperature range of -40°F. to 180°F.

Vibration Isolators shall be Code _____ (called Flexible Duct Connectors) as manufactured by Duro Dyne Corporation, Bay Shore, N.Y.



SPECIFICATIONS

Duro Dyne Excelon-LA Flexible Duct Connector Fabrics are designed to meet the following specifications:

1. MIL-C-20696B Para. 4.4.3. (Oil Resistance).
2. MIL-C-20696B Para. 4.4.4. (Hydro Carbon Resistance).
3. Los Angeles City Approved.
4. ASTM-E84 (UL 723) Surface Burning Characteristics
Flame Spread Not Greater Than 25
Smoke Developed Not Greater Than 50

All Duro Dyne Flexible Duct Connectors utilize galvanized steel meeting ASTM-A-525 G 60.

CHEMICAL RESISTANCE

(X = Extremely Resistant)
(- = Not Recommended)
(O = No Data Available)

Acetic Acid	-	Hydrofluoric Acid (100%)	-
Aluminum Chloride	X	Hydrogen peroxide	X
Aluminum Sulfate	X	Hydrogen Sulfide	X
Ammonia(Anhyd)	X	Lactic Acid	-
Ammonium Hydroxide	X	Linseed Oil	-
Ammonium Sulfate	X	Magnesium Chloride	-
Barium Sulfide	X	Maleic Acid	X
Black Sulfate Liquor	X	Methyl Alcohol	-
Boric Acid	X	Methyl Cellosolve	-
Butyl Alcohol	-	Mineral Oil	X
Cadmium Plating Solution	X	Naptha	-
Calcium Chloride	X	Nickel Chloride	X
Calcium Hypochlorite	X	Nickel Sulfate	X
Chlorine Water	X	Nitric Acid (40%)	X
Chromic Acid	X	Oleic Acid	X
Chromium Plating Solution	X	Oleum	-
Citric Acid	X	Oxalic Acid	X
Copper Chloride	X	Phosphoric Acid (85%)	-
Copper Sulfate	X	Pickling Solution	X
Cottonseed Oil	X	Potassium Chloride	X
Diacetone Alcohol	-	Potassium Cyanide	X
Disodium Phosphate	X	Potassium Dichromate	X
Ethyl Alcohol	-	Potassium Hydroxide (40%)	X
Ethylene Glycol	-	Potassium Sulfate	X
Ferric Chloride	X	Propyl Alcohol	-
Ferric Sulfate	X	Sodium Chloride	X
Fluoroboric Acid	X	Sodium Hydroxide (40%)	-
Formaldehyde (40%)	X	Sodium Hypochlorite	-
Formic Acid	X	Steam	-
Glucose	X	Sulfur Dioxide (Liquid)	-
Glycerine	-	Sulfuric Acid (50%)	X
Heptane	-	Sulfuric Acid (over 50%)	-
Hexane	-	Tannic Acid	X
Hydrobromic Acid (40%)	-	Vinegar	X
Hydrochloric Acid (cone)	-		

Duro Dyne East Division, Bay Shore, NY
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Duro Dyne West Division, Fontana, CA
Duro Dyne Canada, Lachine, Quebec, Canada

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